

ULTRASONIC BONE EVALUATING APPARATUS

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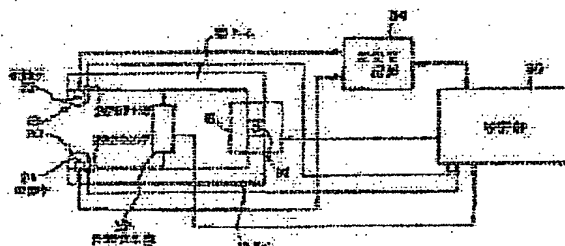
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Abstract of JP 7303643 (A)

PURPOSE: To detect a pressure applied to the surface of a living body by a piezoelectric transducer unit and automatically control the pressure in a ultrasonic bone evaluating apparatus for measuring an acoustic velocity in a bone using ultrasonic waves. **CONSTITUTION:** Arms 10 and 12 are provided with piezoelectric transducer units 18 and 20. The arms 10 and 12 are moved close to each other so that the piezoelectric transducer units 18 and 20 are pressed against the surface of a living body. In this instance, pressure sensors 26 and 28 installed in the piezoelectric transducer units 18 and 20 detect the pressures applied. On the basis of the detected pressures, a controller 30 regulates the driving of the arms 10 and 12 so that the pressures become appropriate.



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